LOCAL LAW No. 3*

A local law in relation to air pollution control within the entire county of Erie enacted pursuant to the authority granted to the county of Erie by chapter four hundred fifty-nine of the laws of nineteen hundred lifty-four.

Be it enacted by the board of supervisors of the county of Eric pursuant to the authority and power granted to said county of Eric by the provisions of chapter four hundred fifty-nine of the laws of nineteen hundred fifty-four, as

Section 1. It is hereby declared that pollution of the atmosphere by smoke, dust, gas, vapor, or odor, to a degree greater than as restricted herein, is a menace to the welfare and comfort of the people of the county and a cause of extensive damage to property. For the purpose of controlling and reducing atmospheric pollution, it is hereby declared to be the policy of county to establish and maintain active and continuing supervision of combustion processes, and of the emission of certain harmful or objectionable substances into the atmosphere. This local law shall be interpreted and construed so as to effectuate the above

§ 2. Definitions. (A) Air pollution—the emission or escape of dust, fume, gas, mist, odor, smoke, vapor, or any combination thereof, in a quantity and of a character which constitutes a direct health hazard or detriment, or the contamination of the air in any manner detrimental or harmful to the health, comfort, living conditions, welfare and safety of the inhabitants of the

county of Erie.

(B) Air pollution nuisance—the emission or discharge into the open air of dust, fume, gas, mist, odor, smoke or vapor, or any combination thereof, of a character and in a quantity which as to any group of persons interferes with their health, repose or safety or causes severe annoyance or discomfort, or tends to lessen normal food and water intake, or produces irritation of the upper respiratory tract, or produces symptoms of nausea, or is offensive or objectionable, or both, to normal persons because of inherent chemical and physical properties, or causes or is likely to cause injury or damage to real or personal property of any kind, or which interferes with normal conduct of business, or is detrimental or harmful to the health, comfort, living conditions, welfare and safety of the inhabitants of the county of Eric.

(C) Board—the term board used herein except as otherwise indicated shall mean board of air pollution control.

(D) Dust-air or gasborne solid particles. This definition in-

cludes fly-ash, fume, cinders and soot.

(E) Fuel-burning equipment—any furnace, incinerator, refuseburning equipment, boiler, water heater, device, mechanism, stack, structure, oven, stove, kiln, still or other apparatus used in the process of burning fuel or similar combustible material.

(F) Gas-a formless fluid which occupies space and which can be changed to a liquid or solid state only by increased pressure with decreased or controlled temperature or by decreased temperature with increased or controlled pressure.

(G). Minor alterations-work which involves no substantial change in design, capacity, process or character of effluent.

(II) Odor-that property of a substance which affects the sense of smell and includes smells or aromas or stenches, which are commonly recognized as offensive or objectionable, or which are very unpleasant to persons possessing normal olfactory senses, or which tend to lessen human food and water intake, interfere with sleep, upset normal appetite, produce irritation of the upper respiratory tract, or create symptoms of nausea, or which by their inherent chemical or physical nature, or method of processing are detrimental or dangerous to health.

(I) Open air-all space outside of buildings, stacks or exterior

ducts. (J) Open fire—any fire wherein the products of combustion are emitted into the open air, and are not directed thereto through

a stack or chimney.

(K) Person—any individual, corporation, partnership, association or any other organized group of individual or the legal successor or representative, agent or servant of any of the foregoing, any department, bureau or agency of the county of Erie, or of any city, village or town therein and any other public body or agency.

^{*} Defeated.

(L) Smoke-emission from a chimney, stack or open fire, caused by the combustion or heating of fuel or refuse.

.. (M) Stack-a smoke stack, chimney, flue, duct or other conveyor for carrying products of combustion, or incomplete combustion, smoke, dust, gas, vapor, or odor into the open air.

(N) Standard commercial equipment—equipment manufactured in quantity for the purpose intended and completely specified as to size, type and rating in catalogs and other printed literature readily available locally to officials of the county of A Harry Later And

(0) Vapor—any material in a gaseous state which is formed. from a substance, usually liquid, by increase in temperature.

§ 3. No person shall cause, suffer or allow to be discharged or emitted into the open air smoke the shade or appearance of which is darker than that specified for the time or duration shown in table I, which is annexed hereto and made a part of this local law, except in cases of unavoidable emergency. For the purpose of grading the shade, appearance or density of the smoke, the Ringlemann chart as published and used by the United States Bureau of Mines, which is hereby made a part of this local law, shall be the standard, provided however, that other charts, instruments, or devices having equivalent shades of grey, or of optical density, when viewed or operated at the intended working distance for each, may also be used, for the purpose of grading the shade, appearance or density of the smoke.

The intent of this section is to include smoke of any color, including colors other than black or grey. The use of a standard or standards printed or photographed in black shall not be interpreted to preclude this intent. Nothing in this section shall be interpreted to prevent the emission or discharge of uncontaminated aqueous steam to the open air.

§ 4. (a) No person shall cause, suffer or allow to be discharged or emitted from the stack of any boiler plant or to pass a convenient measuring point in the connection from the boiler to the stack, dust in the gases to exceed the concentrations set forth in table II, which is annexed hereto and made a part of this local law, except during such reasonable periods of time during which tubes are cleaned.

4 (b) No person shall cause, suffer or allow to be discharged or emitted from any stack permanently installed in a permanent building or structure other than that of a boiler plant, or to pass a convenient measuring point in the connection from the source of dust to the stack, dust in the air or gases to exceed the concentration set forth in table III which is annexed hereto and made a part of this local law.

4 (c) The amount of dust in gases shall be determined in accordance with accepted engineering practices and procedures for sampling solids from gas streams.

§ 5. No person shall cause, suffer or allow to be emitted into the open air, gas, dust, smoke, vapor or odor in such quantity as to create air pollution or an air pollution nuisance.

§ 6. Board of air pollution control. There is hereby created a board of air pollution control consisting of five members who shall be residents of Erie county to be appointed by the board of supervisors of Eric county, one member to be appointed for a one year term, one member to be appointed for a two year term, one member to be appointed for a three year term, one member to be appointed for a four year term and one member to be appointed for a five year term. Their successors shall be appointed for five year terms. Such members shall be paid at the rate of thirty (\$30.00) dollars per meeting of the board. The total compensation for each for attending all meetings of the board shall in no event exceed fifteen hundred (\$1500.00) dollars per year. The board of supervisors may remove any of such members for cause.

The members of such board shall annually elect from its members a chairman, and his successor at other time or times when a vacancy exists in the office of chairman. Regular meetings of the board shall be held at least once in each month and at other times at the call of the chairman. It shall adopt its own by-laws and

rules of procedure.

Powers and duties of the board: The board of air pollution control shall have jurisdiction, subject to the consent and ratification by the board of supervisors, to adopt, promulgate and amend rules and regulations and procedure for the carrying into effect and fully administering the provisions of this local law.

Said board shall have the power and authority and duty to enforce the provisions of this local law and the board shall appoint the air pollution control engineer as an administrative enforcement officer. The board shall have power to compel the attendance of witnesses and to take their testimony under eath, and shall have jurisdiction, when requested by an application to said board in writing made therefor, to, by a concurrence of three members at a regular meeting of the board or at a special meeting called to consider the same, review and uphold or reverse or nullify any of the acts of the air pollution control engineer, taken or done in the enforcement of this local law or under the rules and regulations adopted by said board.

Exceptions: The board of air pollution control, after a public hearing called to consider the subject, may suspend the enforcement and operation of this local law indefinitely or for any reasonable periods of time, as to any person where such enforcement would cause serious hardship to such person and substantially curtail the operation of such business because of the circumstances or conditions involved therein and said board under such circumstances and in the interest of justice, may limit the application of the whole or any part of this local law to such person or individual as provided herein. Any such determination made by such board shall be in writing and shall fully state the reasons therefor and shall be filed in the office of the board.

§ 7. Air pollution control engineer. The administrative enforcement of this local law shall be carried out by an air pollution control engineer who shall be the administrative enforcement officer and who shall be appointed by the board of air pollution control. He shall earry out the policies of the board of air pollution control and shall be a licensed professional engineer with three years special training and experience in the control of chemical and dust pollution and with extensive experience in control of all forms of air pollution, and shall be appointed for a term of four years and subject to removal at the pleasure of the board of air pollution control and shall take an oath of office and shall give a bond as fixed by the board of supervisors. Each of his acts shall be subject to review, as hereinbefore provided, by

§ 8. The air pollution control engineer is hereby granted power and authority to subpoena and swear witnesses and take proof when necessary to efficiently perform or discharge any of the duties given to him by any of the terms and provisions of this local law.

- § 9. The air pollution control engineer shall have power and authority in his name or in the name of Eric county to enforce the provisions of this local law and the regulations issued thereunder and to commence and prosecute any action, complaint or proceeding, legal or equitable or criminal, and to issue summonses to enforce the penalties provided in this local law or to enjoin violations of this local law. Such powers, actions and remedies shall be concurrent and cumulative.
- § 10. The air pollution control engineer shall make such inspections and investigations as are necessary to administer and enforce the provisions of this local law. He may delegate to other experienced individuals, authority to make general or specified inspections and investigations on behalf of the county and shall supervise such assistants, clerks, stenographers, as are necessary to enforce this local law and as may be appointed by the board of air pollution control and authorized by the board of air pollution control and authorized by the board of supervisors of Eric county. Where, in the judgment of the air pollution control engineer, a test is required to establish compliance with sections four or five, he shall require a test to be made pursuant to section seventeen. He may call upon the Eric county laboratory or any other county department or agency for necessary assistance in the enforcement of this local law.

§ 11. No person shall construct, reconstruct, install or alter any fuel-burning equipment or any other equipment capable of emitting smoke, gas, vapor, dust or odor into the open air until an application for installation permit, properly listing and identifying the equipment and stating the means provided or to be provided to assure compliance with sections three, four and five, has been filed in duplicate by the person, or his authorized agent, in the office of the board of air pollution control, the application fee has been paid, and an installation permit has been issued by said board; except as hereinafter enumerated and subject to these same exceptions, no person shall construct, reconstruct, install or alter any such equipment in such manner that it does not conform to such application permit. When plans and specifications of the installation are submitted as a means of identification and explanation of the means of compliance provided or to be provided, they shall conform to section 15.

The following equipment, repairs and systems are excluded

from the foregoing provisions of this section:

(A) Gas-fired equipment when standard commercial equipment is used.

(B) Oil-fired equipment burning number one and number two fuel oil (as specified in commercial standard specifications for fuel oils of the United States Department of Commerce, in its latest revision) when standard commercial equipment is used.

(C) Solid fuel-fired equipment when standard commercial equipment is used and the maximum fuel input will not exceed

three hundred fifty thousand BTU per hour.

(D) Equipment which is not permanently installed in a sta-

tionary building or structure.

(E) Repairs and minor alterations to previously approved equipment or to equipment installed prior to the effective date of this local law.

§ 12. Usual farm and agricultural operations known as crop dusting, fertilizing or other like operations when conducted either by hand or by mechanical means, are excluded from each and all provisions of this local law.

§ 13. The application fee required to be paid by section cleven shall be in accordance with table IV which is annexed

hereto and made a part of this local law.

- § 14. The air pollution control engineer shall act on all applications within a reasonable time and shall notify the applicant in writing of his approval, conditional approval or denial of the application, or of the need for additional information which may include the requirement that plans and specifications conforming to section fifteen be filed. The denial of an application shall include the reasons therefor and shall not prejudice the filing of a further application without fee, meeting the objections so specified. Commencement of work covered by a conditional approval shall be deemed acceptance of all the conditions therein set forth.
- § 15. When plans and specifications are filed with the air pollution control engineer they shall be of professional quality and adequately identified, and shall bear the seal of a licensed professional engineer or registered architect. The specifications shall include a statement showing the calculated heating, power, process or other loads on and the capacity of the equipment. The plans shall clearly show, in adequate detail, the proposed arrangement, location and size of equipment. Detail drawings shall be used where necessary to show the means of prevention of emission of contaminants to the open air. Such plans shall also show such other information as may be required to permit adequate review of such plans.

§ 16. The air pollution control engineer shall be notified of completion of work for which an installation permit was issued immediately upon such completion and he, or someone specifically authorized and designated by him, shall promptly inspect the installation for compliance with the application, the permit, and the provisions of this local law. He may authorize and designate another qualified person to make such inspection in his behalf. The air pollution control engineer may, in his discretion, and pursuant to section seventeen, require a test of the installa-

tion to establish compliance with sections four or five.

§ 17. When under the provisions of section ten or section sixteen, the air pollution control engineer shall require a test to establish compliance with sections four or five, he may accept for this purpose a test conducted by a duly designated representative or agent of the owner of the installation; or he, or persons authorized and designated by him, may themselves conduct the test and shall be allowed access to the installation at reasonable hours for this purpose. He shall have authority to engage the services of specialists for the conduct of such tests, or for the purpose of enforcing any of the provisions of this local law.

§ 18. Household or domestic garbage or refuse may be burned within the county limits in such manner as may be prescribed by

§ 19. No person shall in any manner hinder, obstruct, delay, resist, prevent or fail to disclose information when requested under oath or otherwise, or in any way interfere or attempt to interfere with the air pollution control engineer, or any individuals to whom his authority has been duly delegated in the performance of any duty provided herein, or refuse to permit such persons to perform their duty by refusing them, or any of them, entrance to property or premises containing equipment or open fires discharging or suspected of discharging smoke, dust, gas, vapor or odor into the open air.

§ 20. All persons owning, operating, or in charge of or in control of any equipment or property who shall cause or permit or participate in any violation of this ordinance, either as proprietors, contractors, owners, lessees, tenants, managers, superintendents, constructors, installers, mechanics, repairmen, foremen, janitors, engineers, firemen or otherwise, shall be individually and collectively liable for any penalties or punishment imposed

by this local law.

It shall be a defense to any prosecution instituted against any employee of a person owning, operating or conducting any business, industry or operation unit, that the acts complained of were done and performed pursuant to the orders and directions of such owner or operator or his agent or representative conducting

such operation,

§ 21. Any person convicted of violating any of the provisions of this local law shall be guilty of a misdemeanor and shall be punishable by a fine of not more than one hundred (\$100.00) dollars for the first offense, and by a fine of not more than two hundred (\$200.00) dollars for a second or subsequent offense and by imprisonment for not more than six months for failure to pay any fine imposed. All fines shall be the property of the county of Erie.

§ 22. The air pollution control engineer may, in his discretion, issue a warning and give any violator an opportunity to correct the cause of the violation before filing a formal complaint. Due consideration shall be given by the air pollution control engineer for the failure to make alterations or modifications caused by governmental restrictions affecting materials.

§ 23. The air pollution control engineer may seal any equipment installed or operated in violation of section eleven and no person shall tamper with or remove said seal until authorized

by the air pollution control engineer in writing to do so.

§ 24. When any person owning or controlling any premises or equipment shall have been previously notified of three or more violations of sections three, four or five within any consecutive twelve month period, such person may be notified by the air pollution control engineer to show cause, on a specified day not less than ten days from the date of notice, why the equipment causing such violations should not be scaled. Upon such hearing, if the air pollution control engineer finds that adequate corrective means are not at the time of the hearing being employed to correct the cause of the condition, he shall order such equipment

to be scaled until such person shall submit evidence that upon the removal of the scal such adequate corrective means shall

be employed.

§ 25. Application for injunctions. In addition to any other remedy at law or in equity or under this local law, the county of Erie or the air pollution control engineer may apply to the Supreme Court or any court having jurisdiction for relief by way of injunction to enforce compliance with or restrain violations

of any provisions of this local law or any regulations made pursuant thereto.

§ 26. It shall be a defense to the enforcement of this local law for any person charged with a violation thereof to prove that there is no equipment, device or procedure known to such person or to such trade or industry capable of being used in the operation of said business which will prevent the occurrence of the violation complained of in the operation of said business.

§ 27. The county of Eric reserves the right to amend, alter or change any of the provisions of this local law by the enactment of a future local law, or local laws, in order to carry out the power and authority heretofore granted to it by the Legislature of the state of New York by chapter four hundred fifty-nine of the laws of nineteen hundred fifty-four.

§ 28. If any provision of this local law or the application thereof to any person or circumstances is held invalid or unconstitutional, such invalidity or unconstitutionality shall not affect the other provisions or applications of this local law which can be given effect without the invalid provisions or application, and to this end the provisions of this local law are declared to be severable.

§ 29. This local law shall take effect on January first, nineteen hundred fifty-five.*

TABLE I

	Type of installation	Limiting density, shade or appearance of smoke
A.	Domestic installations, privarily for heating and hot water, in one and two family dwellings.	Not darker than shade number one.
В.	Installations, primarily for heating and hot water in apartment houses, office buildings, schools, hotels, loft buildings, hospitals and other in- stallations of similar character.	Not darker than shade number one except that smoke not darker than shade number three is permitted for not more than a total of 4 minutes in any period of 30 minutes.
C.	All other stationary installations.	Not darker than shade number two except that smoke not darker than shade number three is permitted for not more than a total of 4 minutes in any period of 30 minutes.
D.	Marine installations.	Not darker than shade number two except that smoke not darker than shade number three is permitted for not more than a total of 1 minute in any period of 6 minutes.
E.	Locomotives.	Not darker than shade number two except that smoke not darker than shade number three is permitted for not more than a total of ½ minute in any period of 3 minutes.

TABLE II

Steam generated pounds per hour	Pounds dust per 1,000 pounds steam	
100,000 or less. 150,000. 200,000. 300,000. 400,000. 500,000. 600,000. 800,000. 1,000,000 or more.	1.7 1.4 1.2 1.1 1.0	

For values of steam generated between those tabulated, the corresponding values of pounds dust per 1,000 pounds steam may be found by linear interpolation.

Steam generated in the above table shall be the average hourly output of all units connected to the chimney for that continues four-hour period during which the average output is the greatest, expressed as the equivalent of steam containing one-thousand British thermal units per pound.

^{*} Defeated.

TABLE III

Process weight pounds per hour	Pounds dust per hour	Process weight pounds per hour	Pounds dust per hour	Process weight pounds per hour	Pounds dust per hour
50 100 150 200 250 300 350 400 450 500 650 700 750 800 850 900 950 1,000 1,200 1,300 1,400 1,500 1,600 1,700 1,800	.24 .46 .66 .852 1.03 1.20 1.35 1.50 1.63 1.77 1.89 2.01 2.12 2.24 2.34 2.43 2.53 2.62 2.72 2.80 2.97 3.12 3.26 3.40 3.54 3.56 3.79 3.91	1,900 2,000 2,100 2,200 2,300 2,400 2,500 2,600 2,700 2,800 3,000 3,100 3,200 3,300 3,400 3,500 3,600 3,700 3,800 3,900 4,000 4,100 4,200 4,300 4,400 4,500 4,600	4.03 4.14 4.24 4.34 4.44 4.55 4.64 4.74 4.84 4.92 5.02 5.10 5.18 5.27 5.36 5.44 5.52 5.61 5.69 5.77 5.85 6.01 6.08 6.15 6.30 6.37	4,700 4,800 4,900 5,500 6,000 6,500 7,500 8,000 8,500 9,000 9,500 11,000 10,000	6.45 6.52 6.60 6.67 7.03 7.37 7.71 8.05 8.71 9.03 9.36 9.67 10.0 10.63 11.28 11.89 12.50 13.13 13.74 14.36 14.97 15.58 16.19 22.22 28.3 34.3
		·		or more	40.0

Process weight per hour is the total weight of all materials, including solid fuels, introduced into any specific process, which process may cause any discharge to the atmosphere divided by the total hours in one complete operation from the beginning to the completion of the process, excluding any time that the equipment is idle.

TABLE IV

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in any	size boiler or	Air jets or steam-air jets furnace, for each boiler or furnace	10.00
B) . B) Walley	\$	Heating boilers	·

Fee is based on net rating in square feet of direct radiation as follows:

Square feet of direct radiation

Steam	Hot water	
1,001 to 2,500. 2,501 to 5,600. 5,001 to 10,000. 10,001 to 20,000. 20,001 to 40,000. Over 40,000.		10.00 15.00 25.00 35.00

Note: For heating boiler with integral gas burner, oil burner or stoker, the fee will be 1½ times the above fee for boilers.

Power boilers					
10.1 to 25 h.p	\$15.00				
50.1 to 100 h.p.					
	35.00 50.00				
400.1 to 600 h n	75.00				
600.1 to 1,000 h.p Over 1,000 h.p	100.00 150.00				
	200.00				

Note: For boilers with integral gas burner, oil burner or stoker, the fee will be 1½ times the boiler fee.

Boiler furnaces

Rebuilding or combustion space, each		involving any furnace design	change in	capacity,

	\$10.0	0
Warm air furnaces Up to 100,000 BTU per hour output. 100,001 to 200,000 BTU per hour output. 200,001 to 500,000 BTU per hour output. 500,001 to 1,000,000 BTU per hour output. 1,000,001 to 2,000,000 BTU per hour output. 2,000,001 to 4,000,000 BTU per hour output. 4,000,001 to 8,000,000 BTU per hour output.	\$ 5.0	00000
4,000,001 to 8,000,000 BTU per hour output. Over 8,000,000 BTU per hour output.	75.00)

Note: For warm air furnaces with integral gas burner, oil burner, or stoker, the fee will be 1½ times the above fee for a warm air furnace.

Furnaces (other than boiler furnaces)
Fee according to size or hourly fuel consumption. See table.

Grate surface	Pounds of coal	Gallons of oi	Cubic feet of gas	
(square feet) Up to 2 2.1 to 5 5.1 to 10 10.1 to 20 20.1 to 40 40.1 to 80 80.1 to 140 140.1 to 200 20ver 200	30 31 to 75 76 to 150 151 to 300 301 to 600 601 to 1,200 ,201 to 2,000 ,001 to 3,000	3 3.1 to 7.5 7.6 to 15 15.1 to 30 30.1 to 60 60.1 to 120 121 to 210 211 to 300 Over 300	900 901 to 2,250 2,251 to 4,500 4,501 to 9,000 9,001 to 18,000 18,001 to 36,000 36,001 to 63,000 63,001 to 90,000 Over 90,000	\$10.06 15.00 25.00 35.00 50.00 75.00 100.00 150.00 200.00

Nors: For furnaces with integral gas burners, oil burners and stokers, the fee is 1½ times the furnace fee.

Smoke ovens, tar kettles, asphalt kettles, bake ovens, cofice roasters, varnish kettles

According to grate surface or fuel consumption. For charges, see "Furnaces (other than boiler furnaces)".

Water heaters	
66 to 155 gallons capacity, each. 156 to 999 gallons capacity, inclusive, each. 1,000 to 2,000 gallons capacity, inclusive, each. Over 2,000 gallons capacity, inclusive, each. 85 to 155 gallons capacity, inclusive, with integral gas burner, oil burner or stoker, each.	\$2.00 3.00 5.00 10.00
156 to 999 gallons canacity inclusive with inclusive	4.00
1.000 to 2.000 gallons consider including	6,00
Over 2,000 gallons capacity, with integral gas human	10.00
stoker, each	18.00

Note: The capacity of water heaters shall be considered the hourly recovery in gallons raised in temperature 100° F. or its equivalent.

Dust collectors, washers, cinder traps, bag filters or similar equipment

Up to 5,000 cubic feet per minute, maximum. 5,001 to 10,000 cubic feet per minute, maximum. 10,001 to 25,000 cubic feet per minute, maximum. 25,001 to 50,000 cubic feet per minute, maximum. 50,001 to 100,000 cubic feet per minute, maximum. Over 100,000 cubic feet per minute, maximum.	\$10.00 25.00 50.00 75.00 100.00 150.00

Incinerators

THOME THOU	
(Fee according to cross sectional area of primary combustion chambe	
· UU UU D KIIIKEE ICEE Oron	
5.1 to 8 square feet area. 8.1 to 12 square feet area.	\$15.00
8.1 to 12 square feet area. 12.1 to 16 square feet area.	25.00
12.1 to 16 square foot area	35.00
16.1 to 20 square feet area	50.00
16. 1 to 20 square feet area. Over 20 square feet area.	75.00
Over 20 square feet area.	100.00

Exception:

The fee for the alteration of an existing incinerator by the addition of a secondary combustion chamber of auxiliary fuel-burning equipment or a settling chamber shall be \$15. For any two of these alterations in one incinerator the fee shall be \$18 and for all three \$20, provided they are covered by the same application.

Gas burners, mechanical stokers, oil burners, pulverized coal burners

Fee is based on type and size of the oven, boiler or furnace in which installed and is 1/2 the fee for such equipment. For charges, see appropriate schedule.